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Doug Pickrell. *Werner's measure on self-avoiding loops and representations of the Virasoro algebra.* Preliminary report.

Werner has proven the existence and essential uniqueness of a conformally invariant family of measures on self-avoiding loops on Riemann surfaces. This family is determined by a single measure on loops in the plane which surround the origin. Riemann's mapping theorem can be used to define a probability measure on coefficients of univalent holomorphic functions on the disk. We will discuss how one can compute moments of these coefficients using invariance with respect to an action of the Virasoro algebra. (Received January 11, 2016)